

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference PAT 978W-90	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/CA2004/000375	International filing date (day/month/year) 12/03/2004	(Earliest) Priority Date (day/month/year) 02/04/2003
Applicant MTI META TECH INC.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 7 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
- ☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).
- b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☒ **Certain claims were found unsearchable** (See Box II).

3. ☒ **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

- ☒ the text is approved as submitted by the applicant.
- ☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

- ☒ the text is approved as submitted by the applicant.
- ☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regards to the **drawings**,

- a. the figure of the **drawings** to be published with the abstract is Figure No. _____
- ☐ as suggested by the applicant.
- ☐ as selected by this Authority, because the applicant failed to suggest a figure.
- ☐ as selected by this Authority, because this figure better characterizes the invention.
- b. ☒ none of the figures is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/CA2004/000375

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K31/7032 A61P29/00 A61P3/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, WPI Data, PAJ, EMBASE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	BUCOLO C ET AL: "EFFECTS OF MIPRAGOSIDE ON OCULAR ALLERGIC INFLAMMATION IN THE RABBIT" JOURNAL OF OCULAR PHARMACOLOGY, MARY ANN LIEBERT, INC. NEW YORK, NY, US, vol. 9, no. 4, 1993, pages 321-332, XP000570599 ISSN: 8756-3320 page 321, abstract	1-6, 10-18
X	EP 0 351 784 A (FIDIA SPA) 24 January 1990 (1990-01-24) claims 1,2 ----- -/--	1-3,5,6, 10-12, 14-18

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

30 June 2004

Date of mailing of the international search report

11 10. 2004

Name and mailing address of the ISA

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/CA2004/000375

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	OLIVEIRA ALEXANDRE L R ET AL: "GM-1 ganglioside treatment reduces motoneuron death after ventral root avulsion in adult rats" NEUROSCIENCE LETTERS, vol. 293, no. 2, 27 October 2000 (2000-10-27), pages 131-134, XP002286616 ISSN: 0304-3940 page 131, abstract	1-3,5,6, 10,12, 14-18
X	WO 95/20959 A (US ARMY) 10 August 1995 (1995-08-10) claims 1,5	1,3,5,6, 10,12, 14,15, 17,18
X	GB 2 289 274 A (ERBA CARLO SPA ; PHARMACIA SPA (IT)) 15 November 1995 (1995-11-15) claim 1 page 7, line 11	1,3,5,6, 10,12, 14,15, 17,18
X	DATABASE WPI Section Ch, Week 198931 Derwent Publications Ltd., London, GB; Class A96, AN 1989-225642 XP002286617 & JP 01 163125 A (SHISEIDO CO LTD) 27 June 1989 (1989-06-27) abstract	1,3,5,6, 10,12, 14,15, 17,18
X	WO 90/09185 A (ANGIO MEDICAL CORP) 23 August 1990 (1990-08-23) claims 1,5	1,5

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/CA2004/000375

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0351784	A	24-01-1990	IT 1224513 B	04-10-1990
			AT 97812 T	15-12-1993
			AU 624164 B2	04-06-1992
			AU 3819089 A	25-01-1990
			DE 68911049 D1	13-01-1994
			DE 68911049 T2	01-06-1994
			DK 354589 A	20-01-1990
			EP 0351784 A2	24-01-1990
			ES 2061821 T3	16-12-1994
			JP 2078622 A	19-03-1990
			PH 26117 A	24-02-1992
			ZA 8905367 A	25-04-1990

WO 9520959	A	10-08-1995	US 5631283 A	20-05-1997
			WO 9520959 A1	10-08-1995
			US 6066323 A	23-05-2000

GB 2289274	A	15-11-1995	NONE	

JP 1163125	A	27-06-1989	JP 2684179 B2	03-12-1997

WO 9009185	A	23-08-1990	AU 5160590 A	05-09-1990
			WO 9009185 A1	23-08-1990

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-18

Use of gangliosides for the treatment of inflammation

2. claims: 19-28

Use of gangliosides for reducing plasma cholesterol

INTERNATIONAL SEARCH REPORT

International application No.
PCT/CA2004/000375

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 19-28
because they relate to subject matter not required to be searched by this Authority, namely:
Although claims 10 - 14 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-18

Remark on Protest

☐ The additional search fees were accompanied by the applicant's protest.

☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.1

Although claims 10 - 14 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the composition.